

# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

**Keystone Seed Company**

Whereas, THERE HAS BEEN PRESENTED TO THE

**Secretary of Agriculture**

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *seventeen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

BEAN

'Lake Largo'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this 30th day of September in the year of our Lord one thousand nine hundred and seventy-four

Attest:

*L. J. Rollin*

Commissioner  
Plant Variety Protection Office  
Grain Division  
Agricultural Marketing Service

*Earl L. Butz*

Secretary of Agriculture



## APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

|   |   |  |                       |
|---|---|--|-----------------------|
| 1. VARIETY NAME OR TEMPORARY DESIGNATION<br>Lake Largo  | 2. KIND NAME<br>Bush Bean   | FOR OFFICIAL USE ONLY<br>PVPO NUMBER<br><b>740004</b>                          |                       |
| 3. GENUS AND SPECIES NAME<br>Phaseolus vulgaris   | 4. FAMILY NAME (Botanical)<br>Leguminosae   | FILING DATE<br><b>6-25-74</b>  | TIME<br><b>3</b> P.M. |
| 6. NAME OF APPLICANT(S)<br>Keystone Seed Co.  | 5. DATE OF DETERMINATION<br>August 1969   | FEE RECEIVED<br>\$   | CHARGES               |
|   | 7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)<br>P. O. Box 1438<br>Hollister, Calif. 95023 | 8. TELEPHONE AREA CODE AND NUMBER<br>408<br>637-5781                           |                       |
| 9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.)<br>Corporation   | 10. STATE OF INCORPORATION<br>California  | 11. DATE OF INCORPORATION<br>11/23/55  |                       |
| 12. Name and mailing address of applicant representative(s), if any, to serve in this application and receive all papers:<br>Albert E. Braun<br>Keystone Seed Co.<br>P. O. Box 1438<br>Hollister, Calif. 95023  |   |  |                       |
| 13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:<br><br><input checked="" type="checkbox"/> 12A. Exhibit A, Origin and Breeding History of the Variety (See Section 52, P.L. 91-577)<br><br><input checked="" type="checkbox"/> 12B. Exhibit B, Botanical Description of the Variety<br><br><input checked="" type="checkbox"/> 12C. Exhibit C, Objective Description of the Variety<br><br><input checked="" type="checkbox"/> 12D. Exhibit D, Data Indicative of Novelty<br><br><input checked="" type="checkbox"/> 12E. Exhibit E, Statement of the Basis of Applicant's Ownership |   |  |                       |
| The applicant declares that a viable sample of basic seed of this variety will be deposited upon request before issuance of a certificate and will be replenished periodically in accordance with such regulations as may be applicable. (See Section 52, P.L. 91-577).   |   |  |                       |
| 14A. Does the applicant(s) specify that seed of this variety be sold by variety name only as a class of certified seed? (See Section 83(a), P.L. 91-577) (If "Yes," answer 14B and 14C below.) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO  |   |  |                       |
| 14B. Does the applicant(s) specify that this variety be limited as to number of generations? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO  |   | 14C. If "Yes," to 14B, how many generations of production beyond breeder seed? |                       |

Applicant is informed that false representation herein can jeopardize protection and result in penalties.

The undersigned applicant(s) of this sexually-reproduced novel plant variety believes that the variety is distinct, uniform, and stable as required in Section 41 and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act (P.L. 91-577).

June 19, 1974  
(DATE)

(DATE)

James M. Chaney  
(SIGNATURE OF APPLICANT)  
EXECUTIVE VICE PRES.  
(SIGNATURE OF APPLICANT)

APPLICATION FOR PLANT VARIETY PROTECTION  
CERTIFICATE FOR BEAN VARIETY - LAKE LARGO

Exhibit 12A

Lake Largo originated from a cross of Blue Lake 274 x Geneva Breeding line 108-20-1. The Geneva breeding line was part of the material released by the New York Agricultural Experiment Station. The cross was made in 1965. Selections were made in the F-2 generation and subsequent generations for plant vigor, upright and compact vine; pod length, pod straightness, deep green pod color; pods high in plant, and pod set concentration.

Variants were:

1. Loose spreading plants
2. Shorter pods than desired
3. Curved pods
4. Early breakdown of parenchyma cells between seed cavities.
5. Abortion of seed at stem end of pod resulting in a long tapered neck down to the first seed. (Condition referred to as "Gooseneck")

Selections from the F-2 to the F-5 minimized all of the variants except "Goosenecks". Further selections from the F-5 to the F-10 generation greatly reduced frequency of "Goosenecks".

In the F-10 generation, the variety appeared stabilized in that the variants were reduced to about 1 in 7000 for loose spreading, shorter pods, and curved pods. For breakdown of parenchymatous tissue in pods and "Gooseneck" condition, the frequency was reduced to about 1 pod in 100.

## APPLICATION FOR PLANT VARIETY PROTECTION

## CERTIFICATE FOR BEAN VARIETY - LAKE LARGO

## Exhibit 12-B

Seeds are white and vein like under coat pattern is practically absent. The seeds are relatively large, averaging 40 grams per 100 seeds. In hilar view they are elliptical and round in cross-section; side view is slightly kidney shaped.

The seedling stage is normal for bush beans. Cotyledons are relatively large when fully expanded. Hypocotyl is green; anthocyanin is absent.

Flowers are white and there are usually 5 flowers on a raceme, however, this may vary from 3 to 7. Most of the flowers are produced from the 3rd to 6th node.

The mature morphology is very similar to Bush Blue Lake 274, except that plant is more compact and pods are longer. Average height under good growing conditions is 56 cm. and spread is 36 cm. This compares to Bush Blue Lake, under similar conditions, with a height of 56 cm. and a spread of 44 cm. Pod length is 19 cm. as compared to Bush Blue Lake pods with a length of 17 cm.

Other morphological characteristics are very similar to Bush Blue Lake 274, as well as color of leaves and pods.

The number of pods per plant have averaged 19 and the number of marketable pods 16, in the Midwest. In California, the average is a little higher and in Florida winter production, the average is lower.

Maturity in the Midwest and east coast will average 55 days, which is 3 days earlier than Bush Blue Lake 274 and 3 days later than Lake Shasta. Maturity in California averages 67 days, but the difference between Bush Blue Lake and Lake Shasta is about the same.

Seed development is slightly slower than Bush Blue Lake 274.

OBJECTIVE DESCRIPTION OF VARIETY  
BEAN (PHASEOLUS VULGARIS)

INSTRUCTIONS: See Reverse.

|  |   |
|--|---|
| NAME OF APPLICANT(S)<br>Keystone Seed Co.  | FOR OFFICIAL USE ONLY                               |
| ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)<br>P. O. Box 1438<br>Hollister, Calif. 95023 | PVPO NUMBER<br>7400104                              |
|  | VARIETY NAME OR TEMPORARY DESIGNATION<br>Lake Largo |

Place the appropriate number that describes the varietal character of this variety in the boxes below.

Place a zero in first box (e.g. 089 or 09 ) when number is either 99 or less or 9 or less.

## 1. TYPE:

|                        |              |                 |                |                  |
|------------------------|--------------|-----------------|----------------|------------------|
| <input type="text"/> 1 | 1 = SNAPBEAN | 2 = GREEN SHELL | 3 = DRY EDIBLE | 4 = MULTIPURPOSE |
|------------------------|--------------|-----------------|----------------|------------------|

## 2. SEASON AND REGION OF ADAPTABILITY IN THE U.S.:

|                        |                    |                                |                                      |               |               |
|------------------------|--------------------|--------------------------------|--------------------------------------|---------------|---------------|
| <input type="text"/> 1 | Grows best during: | 1 = SPRING                     | 2 = SUMMER                           | 3 = FALL      | 4 = WINTER    |
| <input type="text"/> 6 | Best adapted in:   | 1 = NORTHWEST<br>5 = SOUTHWEST | 2 = NORTHCENTRAL<br>6 = MOST REGIONS | 3 = NORTHEAST | 4 = SOUTHEAST |

## 3. MATURITY (Days from seeding to first harvest):

|   |                       |  |  |   |                         |
|---|-----------------------|--|--|---|-------------------------|
| <input type="text"/> 5 <input type="text"/> 5 | GREEN PODS            | <input type="text"/> <input type="text"/> <input type="text"/> | GREEN SHELLS   | <input type="text"/> 9 <input type="text"/> 0 | DRY SEEDS               |
| <input type="text"/> 0 <input type="text"/> 3 | NO. DAYS EARLIER THAN | <input type="text"/> 7   | 1 = TENDERCROP<br>4 = WHITE KIDNEY<br>7 = BUSH BLUE LAKE | 2 = KENTUCKY WONDER                           | 3 = KINGHORN WAX        |
| <input type="text"/> 0 <input type="text"/> 3 | NO. DAYS LATER THAN   | <input type="text"/> 8   |  | 5 = MICHELITE 62                              | 6 = DWARF HORTICULTURAL |
|   |                       |  |  | 8 = OTHER (Specify) Lake Shasta               |                         |

## 4. PLANT:

|  |  |   |
|--|--|---|
| <input type="text"/> 1   | 1 = DETERMINATE, ERECT BUSH<br>3 = DETERMINATE, SEMIPOLE                 | 2 = DETERMINATE, SPRAWLING BUSH<br>4 = INDETERMINATE, POLE  |
| <input type="text"/> 0 <input type="text"/> 5 <input type="text"/> 6 | CM. HEIGHT OR LENGTH OF VINE FROM PRIMARY LEAF NODE                      |   |
| <input type="text"/> 0 <input type="text"/> 0 <input type="text"/> 4 | NUMBER PRIMARY BRANCHES PER MAIN STALK                                   | <input type="text"/> 3 <input type="text"/> 6 CM. SPREAD  |
| <input type="text"/> 1   | Branching habit: 1 = COMPACT 2 = OPEN                                    | <input type="text"/> 0 <input type="text"/> 6 NUMBER INTERNODES ON MAIN STALK BETWEEN PRIMARY LEAF AND BASE OF TERMINAL INFLORESCENCE |
| <input type="text"/> 0 <input type="text"/> 2                        | CM. LENGTH OF FIRST INTERNODE ABOVE PRIMARY LEAF                         | <input type="text"/> 0 <input type="text"/> 6 MM. STALK DIAMETER ABOVE FIRST TRIFOLIATE LEAF  |
| <input type="text"/> 1   | Main stalk: 1 = BRITTLE 2 = WIREY <input type="text"/> 1 1. STOUT 2 THIN |   |
| <input type="text"/> 2   | Flower position:   |   |
| <input type="text"/> 2   | Pod Position: 1 = LOW, CONCENTRATED 2 = HIGH, CONCENTRATED 3 = SCATTERED |   |

## 5. LEAVES:

|                        |   |                                      |   |                        |  |
|------------------------|---|--------------------------------------|---|------------------------|--|
| <input type="text"/> 1 | 1 = SMOOTH 2 = WRINKLED   | <input type="text"/> 2               | 1 = DULL 2 = GLOSSY   | <input type="text"/> 2 | Thickness: 1 = THIN 2 = MEDIUM 3 = THICK |
| <input type="text"/> 3 | Size: 1 = SMALL (Earliwax) 2 = MEDIUM 3 = LARGE (Tendercrop)                        | <input type="text"/> 6               | CM. PETIOLE LENGTH (To basal leaflets of first trifoliate leaf) |                        |  |
| <input type="text"/> 2 | Tip shape of center leaflet: 1 = ROUNDED 2 = TAPER POINTED 3 = SHARP POINTED        |                                      |   |                        |  |
| <input type="text"/> 2 | PUBESCENCE - Dorsal:  | 1 = NONE 2 = SLIGHT 3 = CONSIDERABLE |   |                        |  |
| <input type="text"/> 2 | PUBESCENCE - Ventral:   |                                      |   |                        |  |
| <input type="text"/> 3 | Color: 1 = LIGHT GREEN (Bountiful) 2 = MEDIUM GREEN 3 = DARK GREEN (Bush Blue Lake) |                                      |   |                        |  |

6. FLOWERS:

Color: 1 = WHITE 2 = CREAM 3 = PINK 4 = LILAC 5 = PURPLE  
6 = OTHER (Specify) \_\_\_\_\_

Racemes: 1 = LONG 2 = MEDIUM 3 = SHORT  NUMBER FLOWERS PER RACEME

7. FRESH PODS: (Edible maturity, averages for 10 pods)

Color: 1 = LIGHT GREEN (Bountiful) 2 = MEDIUM GREEN (Tendergreen) 3 = DARK GREEN (Wade)  
4 = LIGHT YELLOW (Brittlewax) 5 = GOLDEN YELLOW (Cherokee Wax) 6 = GREEN-RED VARIAGATED (Horticultural)  
7 = OTHER (Specify) Blue Lake 274

CM. LENGTH   MM. WIDTH (Between sutures)   MM. THICKNESS    $\frac{\text{WIDTH}}{\text{THICKNESS}} \times 10$

Cross section pod shape: 1 = FLAT 2 = OVAL 3 = CREASEBACK 4 = ROUND

Curvature: 1 = STRAIGHT 2 = SLIGHTLY CURVED 3 = CURVED  Pubescence: 1 = NONE 2 = SPARSE 3 = CONSIDERABLE

Constrictions: 1 = NONE 2 = SLIGHT 3 = DEEP  Spur: 1 = STRAIGHT 2 = SLIGHTLY CURVED 3 = CURVED

Surface: 1 = SHINY 2 = DULL  Surface: 1 = SMOOTH 2 = BLISTERED

Pod flesh: 1 = LIGHT 2 = DARK  Pod flesh: 1 = FIRM 2 = WATERY

MM. SPUR LENGTH  Suture string: 1 = PRESENT 2 = ABSENT

Fiber: 1 = NONE 2 = SPARSE 3 = CONSIDERABLE  Seed development: 1 = SLOW 2 = MEDIUM 3 = FAST

NUMBER OF SEEDS PER POD  NUMBER PODS PER PLANT (Once over harvest)

NUMBER MARKETABLE PODS PER PLANT (Once over harvest)  Machine harvest: 1 = ADAPTED 2 = NOT ADAPTED

8. SEED COAT COLOR:

1 = MONOCHROME 2 = POLYCHROME  1 = SHINY 2 = DULL

Primary color: 1 = WHITE 2 = YELLOW 3 = BUFF 4 = TAN  
 Secondary color: 5 = BROWN 6 = PINK 7 = RED 8 = PURPLE  
9 = BLUE 10 = BLACK 11 = OTHER (Specify) \_\_\_\_\_

Color pattern: 1 = SPLASHED 2 = MOTTLED 3 = STRIPED 4 = FLECKED 5 = DOTTED

Secondary color location: 1 = HILAR RING 2 = HILAR SURFACE  
3 = STROPHIOLE 4 = MICROPYLE  
5 = SIDES 6 = DORSAL SURFACE  
7 = NOT RESTRICTED TO ANY AREA 8 = COMBINATION OF LOCATIONS (Specify) \_\_\_\_\_

Hilar ring: 1 = NOT PRESENT 2 = NARROW 3 = BUTTERFLY SHAPED

Vein-like under coat pattern: 1 = ABSENT 2 = PRESENT

9. SEED SHAPE AND SIZE:

Hilum view: 1 = ELLIPTICAL 2 = OVAL 3 = ROUND  Side view: 1 = OVAL 2 = ROUND  
3 = KIDNEY 4 = TRUNCATE ENDS

Cross section: 1 = ELLIPTICAL 2 = OVAL 3 = CORDATE 4 = ROUND  GM. WEIGHT PER 100 SEEDS

Classification: 1 = PEA 2 = MEDIUM 3 = MARROW 4 = KIDNEY 5 = PINTO

MM. WIDTH (Dorsal to ventral)   MM. THICKNESS (Side to side)

MM. LENGTH     $\frac{\text{WIDTH}}{\text{THICKNESS}} \times 10$

## 10. ANTHOCYANIN: (1 = Absent 2 = Present):

☐ 1 FLOWERS      ☐ 1 STEMS      ☐ 1 PODS      ☐ 1 SEEDS      ☐ 1 LEAVES

## 11. DISEASE RESISTANCE (0 = Not tested; 1 = Susceptible; 2 = Resistant):

|  |   |
|--|---|
| <input type="checkbox"/> 2 RUST (Specify race) _____ | <input type="checkbox"/> 0 ANGULAR LEAF SPOT      |
| <input type="checkbox"/> 0 BACTERIAL WILT            | <input type="checkbox"/> 2 COMMON BEAN MOSAIC     |
| <input type="checkbox"/> 0 ANTHRACNOSE               | <input type="checkbox"/> YELLOW BEAN MOSAIC       |
| <input type="checkbox"/> 0 SOUTHERN BEAN MOSAIC      | <input type="checkbox"/> FUSARIUM ROOT ROT        |
| <input type="checkbox"/> 0 CURLY TOP                 | <input type="checkbox"/> 2 N.Y. 15 BEAN MOSAIC    |
| <input type="checkbox"/> 0 POWDERY MILDEW            | <input type="checkbox"/> 0 BEAN MOSAIC VIRUS 4    |
| <input type="checkbox"/> 0 HALO BLIGHT               | <input type="checkbox"/> 0 FUSCOUS BLIGHT         |
| <input type="checkbox"/> 0 ALFALFA MOSAIC VIRUS      | <input type="checkbox"/> 0 ALFALFA MOSAIC VIRUS 2 |
| <input type="checkbox"/> 0 POD MOTTLE VIRUS          | <input type="checkbox"/> 0 RED NODE VIRUS         |
| <input type="checkbox"/> 0 ROOT KNOT NEMATODE        | <input type="checkbox"/> 0 OTHER (Specify) _____  |

## 12. INSECT RESISTANCE: (0 = Not tested; 1 = Susceptible; 2 = Resistant)

|   |  |
|---|--|
| <input type="checkbox"/> 0 APHIDS           | <input type="checkbox"/> 0 LEAF HOPPERS          |
| <input type="checkbox"/> 0 POD BORER        | <input type="checkbox"/> 0 LYGUS                 |
| <input type="checkbox"/> 0 THRIPS           | <input type="checkbox"/> 0 WEAVILS               |
| <input type="checkbox"/> 0 SEED CORN MAGGOT | <input type="checkbox"/> 0 OTHER (Specify) _____ |

## 13. PHYSIOLOGICAL RESISTANCE: (0 = Not tested; 1 = Susceptible; 2 = Resistant)

☐ 2 HEAT      ☐ COLD      ☐ DROUGHT      ☐ OTHER (Specify) \_\_\_\_\_

## REFERENCES: The following publications may be used as a reference in completing this form:

1. Beans of New York. Vol. 1 Part II of Vegetables of New York. U.P. Hedrick et al. J. B. Lyon Company, Albany, N.Y. 1931.
2. Yarnell, S. H., Cytogenetics of the Vegetable Crops IV. Legumes. Bor. Rev. 31:247 - 330. 1965.
3. USDA Yearbook of Agriculture. 1937.

COLOR: Nickerson's or any recognized color fan may be used to determine the colors.

APPLICATION FOR PLANT VARIETY PROTECTION  
CERTIFICATE FOR BEAN VARIETY - LAKE LARGO

Exhibit 12-D

Data Indicative of Novelty

Lake Largo most closely resembles Bush Blue Lake 274, except that pods are longer, plant is more compact, and maturity is 3 days earlier.

Lake Largo - pod length 19 cm.

Bush Blue Lake 274 - pod length 17 cm.

Lake Largo - plant spread 36 cm.

Bush Blue Lake 274 - plant spread 44 cm.

Lake Largo - 55 days to maturity

Bush Blue Lake 274 - 58 days to maturity



APPLICATION FOR PLANT VARIETY PROTECTION

CERTIFICATE FOR BEAN VARIETY - LAKE LARGO

Exhibit 12E

Statement of Applicant's Ownership

Keystone Seed Co., Hollister, California, is the sole, original, and first breeder of Lake Largo bush bean for which it solicits a certificate of protection.

PLANT VARIETY PROTECTION CERTIFICATE

ASSIGNMENT

The Sunseeds Division of Agrigenetics Corporation, a Delaware corporation having a place of business at 3575 Mitchell Lane, Boulder, Colorado 80301 ("Agrigenetics"), represents that it is the owner of the entire right, title and interest in and to the plant variety protection certificates and applications for plant variety protection certificates shown below.

For good and valuable consideration, receipt of which is hereby acknowledged, Agrigenetics hereby assigns to UF Genetics, Inc., a Delaware corporation having a place of business at 9800 Fairview Road, Hollister, California 95024, Agrigenetics' entire right, title and interest in and to the following plant variety protection certificates and applications therefore, together with all Agrigenetics' rights to the sexually reproduced plants that are the subject of such certificates and applications:

I. Registered Certificates

| <u>Title</u>    | <u>Certificate<br/>Number</u> | <u>Date</u> |
|-----------------|-------------------------------|-------------|
| Empress         | 7900045                       | 4/15/82     |
| 9014            | Ap8100174                     | 9/28/81     |
| 9293            | Ap8100175                     | 9/28/81     |
| 9400            | Ap8200007                     | 10/22/81    |
| Paymaster       | 7600058                       | 12/7/77     |
| Lakeland        | 7600059                       | 1/26/78     |
| Triumph         | 7600061                       | 12/30/77    |
| Broker's Choice | 8100175                       | 4/28/83     |
| Profit Maker    | 8100174                       | 4/28/83     |
| Shannon         | 8200007                       | 4/28/83     |
| Sunrise         | 7100029                       | 6/24/74     |
| Lake Shasta     | 7100030                       | 8/12/74     |
| Lake Erie       | 7100031                       | 8/12/74     |
| Rebel           | 7100033                       | 9/30/74     |
| Lake Superior   | 7100034                       | 5/21/74     |
| Miami           | 7100036                       | 2/28/74     |
| Lake Geneva     | 7200068                       | 5/21/74     |
| Scanion         | 7300001                       | 11/15/74    |
| Picoverde       | 7300016                       | 4/10/73     |
| Raider          | 7400069                       | 7/26/74     |

|                      |           |          |
|----------------------|-----------|----------|
| Lake Largo           | 7400104   | 9/30/74  |
| Lake Seneca          | 7500096   | 11/24/75 |
| Chaparral            | 7600052   | 5/16/77  |
| Costaverde           | 7600053   | 8/24/77  |
| Gustoverde           | 7600054   | 8/24/77  |
| Mesaverde            | 7600055   | 5/31/77  |
| Conquest             | 7700058   | 7/26/77  |
| Commander            | 7900067   | 7/26/79  |
| Keygold              | 8000111   | 10/16/80 |
| Snapbean, Exp. 163   | 7600058   | 12/7/77  |
| Snapbean, Exp. 195   | 7600059   | 1/6/78   |
| 'Green Genes' Bean   | 7600060   | 12/7/77  |
| Snapbean, Exp. 116-0 | 7600061   | 12/30/77 |
| Mikado (AVX 450)     | Ap8400037 | 12/30/83 |
| Mystro               | 8500064   | 4/16/85  |

## II. Pending Certificate Applications

| <u>Title</u> | <u>Application Number</u> | <u>Filing Date</u> |
|--------------|---------------------------|--------------------|
| Cajun Queen  | Pending                   | --                 |
| Mendota      | Pending                   | --                 |
| Sunset       | Pending                   | --                 |
| Alpine       | Pending                   | --                 |
| Polaris      | Pending                   | --                 |

AGRIGENETICS CORPORATION

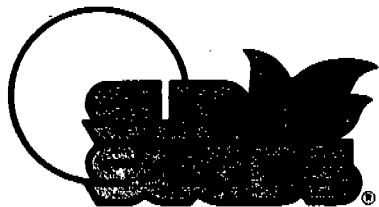
By: Murray Polunin  
 Title: Executive Vice President

COMMONWEALTH OF MASSACHUSETTS )

County of Suffolk )

On this 30<sup>th</sup> day of April, 1986, before me appeared William Johnson, the person who signed this instrument, who acknowledged that he signed it as a free act on behalf of Agrigenetics Corporation.

Susan J. Flavin  
Notary Public  
My Commission Expires: 11/31/90



From Technology To Life

P.O. Box 1438, 2320 Technology Parkway, Building 11 Suite A, Hollister, CA 95024-1438 USA 408/636-9505 TWX 910-3720254

June 7, 1988

Kenneth H. Evans, Commissioner  
Plant Variety Protection Office  
National Agriculture  
Library Building, Room 500  
Beltsville, MD 20705

Re: Change of Assignment.

Dear Mr. Evans:

This letter is in reference to your correspondence to me, dated July 14, 1987. I wish to make it clear that this change of assignment is to indicate a name change only, from U.F. Genetics, Inc. to Sunseeds Genetics, Inc.

Also, in reference to 'Mystro' tomato, have Item 1 read Sunseeds Genetics, Inc. and issue the certificate to Sunseeds Genetics, Inc.

Enclosed please find a check in the amount of \$170.00 to cover the cost of changing the certificates.

| Title           | Certificate No. | Date     |
|-----------------|-----------------|----------|
| Empress         | 7900045         | 4/15/82  |
| 9014            | Ap8100174       | 9/28/81  |
| 9293            | Ap8100175       | 9/28/81  |
| 9400            | Ap8200007       | 10/22/81 |
| Paymaster       | 7600058         | 12/7/77  |
| Lakeland        | 7600059         | 1/26/78  |
| Triumph         | 7600061         | 12/30/77 |
| Broker's Choice | 8100175         | 4/28/83  |
| Profit Maker    | 8100174         | 4/28/83  |
| Shannon         | 8200007         | 4/28/83  |
| Sunrise         | 7100029         | 6/24/74  |
| Lake Shasta     | 7100030         | 8/12/74  |
| Lake Erie       | 7100031         | 8/12/74  |
| Rebel           | 7100033         | 9/30/74  |
| Lake Superior   | 7100034         | 5/21/74  |

**SUNSEEDS**

June 7, 1988  
Kenneth H. Evans  
Page 2

| Title                | Certificate No. | Date     |
|----------------------|-----------------|----------|
| Miami                | 7100036         | 2/28/74  |
| Lake Geneva          | 7200068         | 5/21/74  |
| Scanion              | 7300001         | 11/15/74 |
| Picoverde            | 7300016         | 4/10/73  |
| Raider               | 7400069         | 7/26/74  |
| Lake Largo           | 7400104         | 9/30/74  |
| Lake Seneca          | 7500096         | 11/24/75 |
| Chaparral            | 7600052         | 5/16/77  |
| Costaverde           | 7600053         | 8/24/77  |
| Gustoverde           | 7600054         | 8/24/77  |
| Mesaverde            | 7600055         | 5/32/77  |
| Conquest             | 7700058         | 7/26/77  |
| Commander            | 7900067         | 7/26/79  |
| Keygold              | 8000111         | 10/16/80 |
| Snapbean, Exp. 163   | 7600058         | 12/7/77  |
| Snapbean, Exp. 195   | 7600059         | 1/6/78   |
| 'Green Genes' Bean   | 7600060         | 12/7/77  |
| Snapbean, Exp. 116-0 | 7600061         | 12/30/77 |
| Mikado (AVX 450)     | Ap8400037       | 12/30/83 |

Sincerely,



Gene Hookstra  
Vice President, Research

GH/mo

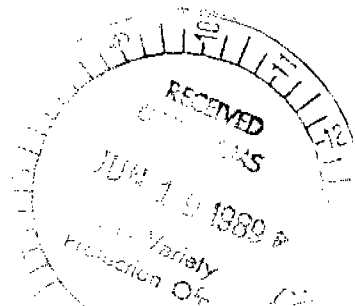
enc: Check  
Copy of Correspondence from K.H. Evans

7400104

# BILL OF SALE AND ASSIGNMENT

FOR VALUE RECEIVED, Sunseeds Genetics Inc, a Delaware Corporation, with its principal offices at 2320 Technology Parkway, Hollister, California, ("Sun") does hereby sell, transfer, assign and convey to Rogers Brothers Seed Company, a Delaware Corporation with principal offices at 1755 Westgate Drive, Boise, Idaho, ("Rogers") the following:

1. All Suns intangible assets relating to its pea, snap pea, garden bean, runner bean, cow pea, dry bean, and lima bean business ("Products").
2. All plant variety protection rights and all plant variety protected materials along with the rights to use the names thereof including all varieties listed on Schedule A attached hereto and incorporated herein by this reference.
3. All proprietary plant varieties and all other proprietary information relating thereto which are related to Products.
4. All patents, patent application and patent applications relating to the Products.
5. All research property relating to Products including notebooks, findings, pedigrees, records of experiments and their results, seed stocks, know how, techniques, all other proprietary information in whatever form stored, germ plasm, the germ plasm uses, seed samples and their coding and indexing methods.
6. All trademarks, trade names, service marks and copyrights which apply to the Products excluding any name which includes the corporate name of Sun and its affiliates.
7. Any and all other intangible assets and property rights relating to Products not specifically mentioned herein.



SUNSEEDS GENETICS, INC.  
PLANT VARIETY PROTECTION - USA  
AS OF 8/10/88

| Variety          | Cert #     | Issued   | Expires  | Issued To  |
|------------------|------------|----------|----------|--|
| <u>Peas</u>      |            |          |          |  |
| Alpine           | 8500101    | 09/27/85 | 09/27/03 | Sunseeds, A Div. of Agri.<br>Sunseeds Genetics, Inc. |
| Blizzard         | 8700022    | 06/30/87 | 06/30/05 |  |
| Mendota          | AP 8500163 | 05/30/85 |          |  |
| Polaris          | AP 8600017 | 11/12/85 |          |  |
| Sunset           | 8300074    | 04/30/84 | 04/30/02 | Agrigenetics Corporation                             |
| Titania          | AP 8200008 | 10/26/81 |          |  |
| <u>Beans</u>     |            |          |          |  |
| Brokers Choice   | 8100175    | 04/28/83 | 04/28/01 | Agrigenetics Corporation                             |
| Conquest         | 7700058    | 07/26/77 | 07/26/94 | Keystone Seed Co., Inc.                              |
| Empress          | 7900045    | 04/15/82 | 04/15/00 | Agrigenetics Corporation                             |
| Green Genes      | 7600060    | 12/07/77 | 12/07/94 | Northrup King  |
| Keygold          | 8000111    | 10/16/80 | 10/16/97 | Keystone Seed Co., Inc.                              |
| Lake Erie        | 7100031    | 08/12/74 | 08/12/91 | Keystone Seed Co., Inc.                              |
| Lake Geneva      | 7200068    | 05/21/74 | 05/21/91 | Keystone Seed Co., Inc.                              |
| Lake Largo       | 7400104    | 09/30/74 | 09/30/91 | Keystone Seed Co., Inc.                              |
| Lake Seneca      | 7500096    | 11/24/75 | 11/24/92 | Keystone Seed Co., Inc.                              |
| Lake Shasta      | 7100030    | 08/12/74 | 08/12/91 | Keystone Seed Co., Inc.                              |
| Lake Superior    | 7100034    | 05/21/74 | 05/21/91 | Keystone Seed Co., Inc.                              |
| Lakeland         | 7600059    | 01/26/78 | 01/26/95 | Agrigenetics Corporation                             |
| Miami            | 7100036    | 02/28/74 | 02/28/91 | Keystone Seed Co., Inc.                              |
| Mikado (AVX 450) | 8400037    | 03/31/87 | 03/31/05 | Sunseeds Genetics, Inc.                              |
| Paymaster        | 7600058    | 12/07/77 | 12/07/94 | Agrigenetics Corporation                             |
| Profit Maker     | 8100174    | 04/28/83 | 04/28/01 | Agrigenetics Corporation                             |
| Raider           | 7400069    | 07/26/74 | 07/26/91 | Keystone Seed Co., Inc.                              |
| Rebel            | 7100033    | 09/30/74 | 09/30/91 | Keystone Seed Co., Inc.                              |
| Shannon          | 8200007    | 04/28/83 | 04/28/01 | Agrigenetics Corporation                             |
| Sunrise          | 7100029    | 06/24/74 | 06/24/91 | Keystone Seed Co., Inc.                              |
| Triumph          | 7600061    | 12/30/77 | 12/30/94 | Agrigenetics Corporation                             |

AP = PVP applied for

SCHEDULE A



DATED this the 26 day of May, 1989.

SUNSEEDS GENETICS INC:

BY [Signature]  
its: Executive Vice President

ATTEST:

[Signature]

State of CALIFORNIA       )  
                                      ) ss  
County of SAN BENITO     )

On this 26th day of May, 1989, before me, the undersigned Notary Public, personally appeared WILLIAM FRAZIER and ROBERT VAN MARTER known to me to be the EXECUTIVE V.P. and V.P. OF FINANCE respectively of the corporation that executed the instrument, and acknowledged to me that such corporation executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal, the day and year in this certificate first above written.



Cindy J Actis  
Notary Public  
Residing at: Hollister, CA  
My commission expires: 8/7/91